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ABSTRACT OF THE DISCLOSURE

using actuator vibration An caused piezoelectric element. The actuator includes: an driving rod bonded to one of the piezoelectric element; a engaging member for engaging frictionally with the driving rod; and a control circuit for applying the piezoelectric element with a driving voltage. The control circuit is provided with a drive circuit which generates a first set of the driving voltage for driving the engaging member, and with a friction reducing circuit which generates a second set of driving voltage for the reducing а frictional force exerting between the driving rod and the engaging member.

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